Charleston Green Committee Retreat With The Rocky Mountain Institute

November 20, 2008

SUPER GOALS:

1. Improve Human Health and Quality of Life
2. Advocate Social and Environmental Justice/Fairness
3. Reduce Energy Consumption
4. Reduce Water Consumption
5. Improve Air & Water Quality
6. Minimize Greenhouse Gases (GHG)
7. Protect Against Sea Level Rise
8. Protect Natural Resources including sustainable agriculture
9. Work Toward a Goal of Zero Waste
10. Reduce Municipal Costs
11. Consider Lifecycle Goals
12. Increase Natural Infrastructure
13. Promote Land Use Driven Transportation & Infrastructure Decision Making
14. Promote Sustainable Land Use Design
15. Protect/Promote Sense of Place
16. Increase Inter-governmental Cooperation
17. Create/Encourage Diversity of Non-Carbon Producing Options
18. Maximize Economic Development/Technology/Job Opportunities to Foster the (Local) Green Economy/Market

PRINCIPLES

1. "Use Nature as Infrastructure"
2. "Do no harm"
3. "Understand and enhance culture, natural endowment, community, healthy lifestyles and economic vitality"

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Land Use and Planning and Transportation Priorities with Indicators

Votes	
27	Reduce dependency on single occupancy vehicle and support the increase in supply of frequent and convenient transportation including reducing paved area, any kind of non-auto use and potential for light rail: 1) transit rider-ship, 2) commuter traffic time, 3) distance to transit hub 4) liquid fuel consumption
4	Expand and enhance the bike transportation system: 1) bike sales, 2) % growth in bike paths,3) bike racks
6	Increase fuel efficiency and non-carbon fuel sources: liquid fuel consumption
2	Improve air quality: normal measures, monitoring
3	Improve water quality: normal measures
24	Reduce sprawl and increase walkability through sustainable community design, neotraditional design and transit oriented design: 1) distance from home to basic service (5 min.) 2) miles of sidewalks 3) distance to green space 4) units per acres
3	Reuse/remediate brownfields (Adaptive Reuse): % of brownfields remediated
6	Protect agriculture and rural land and create a clear definition of the urban edge: 1)% land under cultivation, 2) proximity to market, 3) conversion of open land to developed, 4) total # of protected acres

Votes	
3	Increase urban forest: Ufore index
11	Provide affordable housing: 1) affordability per median income, 2) proximity to services, 3) distance to work

Buildings Priorities with Indicators

20	Increase in % of green buildings: 1) LEED or other standards 2) energy use per square foot
10	Improved indoor environmental quality: 1) Employee sick days / ER visits 2) Org. insurance 3) Retention 4) # of companies that test for IEQ
6	Improve building's contextual fit (ecologically and architecturally): 1) Proximity 2) Certification
9	Maximize adaptive reuse: 1) New construction v. renovation per square foot 2) Demolition of historic structures
3	Reduce construction waste: Tons diverted
6	Housing affordability
7	More awareness among the community regarding green buildings: 1) # of green building awareness programs 2) # of accredited professionals 3) # of days on the market 4) listed on MLS
4	Green building transformation should include all income levels.

Votes	
0	Energy efficient mortgages
9	Understand whole system life-cycle cost
14	More efficient and effective use of materials: 1) % reused content 2) % recycled content 3) Distance to point of extraction and manufacture

Recycling and Waste-Management Priorities with Indicators

22	Increase reduce-reuse-recycle of waste, particularly C&D debris Reduce the amount of waste that is land-filled and incinerated : 1) % diversion 2) recycling rate (residential) 3) total tonnage
4	Increase procurement standards that minimize waste: 1) post-consumer recycled content 2) Amount of recycled content building material 3) Recycling rate
4	Tertiary treatment of waste water: 1) Normal measures 2) EPA standards
17	Increase access to recycling in public places: 1)# of bins and collection points 2)quantity of recyclables
17	Improve efficiency of collection (transportation and diversion system: 1) Cost per pound
0	Life cycle cost/analysis (equalize recycling and waste collection costs) make costs and benefits transparent

Energy Priorities with Indicators

Votes	
16	Increased % of renewable energy: 1) megawatt capacity mix 2) % consumer choosing renewables 3) tax deduction info (state and federal)
20	Improve energy efficiency: 1) BTU per person 2) BTU per square foot
13	Regulatory environment that encourages conservation and efficiency: Options for demand side management
1	Reduce municipal cost to city and taxpayers
12	Improve energy efficient behavior: 1) people exposed to educational events 2) assess existing behavior
3	Make energy consumption tangible and transparent
8	Energy efficiency workforce (builders, planners, I.T. etc.): 1) accredited professionals 2) education programs
2	Increase efficiency of production and distribution: 1) Cost of delivered kwh 2) net-metering 3) # of cogen facilities
4	Increased urban tree canopy: # of trees per acre